ECS Configuration Change Request

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1. Originator Danny Huang	2. Log Date: 11/15/02	3. CCR #: **02-1013**	4. Rev: -	5. Tel: 301925 0837	6. Rm #: 2023C	7. Dept. DEV

8. CCR Title: JAF 1.0.1 and Javamail 1.2 COTS TE for PDS for all DAACs. Contains fixes for a severity 2 NCR.

9. Originator Signature/Date /s/ Danny Huang 11/15/02	10. Class II	11. Type: **CCR**	12. Need Date: 11/19/02

13. Office Manager Signature/Date /s/ Timothy Ortiz 11/15/02	14. Category of Change: Other	15. Priority: (If "Emergency" fill in Block 27). Routine

16. Documentation/Drawings Impacted (Review and submit checklist):	17. Schedule Impact: High	18. CI(s) Affected:PDS

19. Release Affected by this Change: 6A	20. Date due to Customer: 11/26/02	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☒Other:
ECSed35713: PDSIS iu trying to link to java jar files in /tools

23. Problem: (use additional Sheets if necessary)
JAF and Javamail are needed on PDS Server hosts at all DAACs in spport of Synergy III.

24. Proposed Solution: (use additional sheets if necessary)
Install JAF 1.0.1 and Javamail 1.2 on PDS Server hosts at DAACs using packages:
jaf_1.0.1_c_irix64_pkg.tar.gz   checksum: 4119812705 size: 43193 and
javamail_1.2_c_irix64_pkg.tar.gz   checksum: 3455761219 size: 520643
Both of them are located on "lemmings" under /data0/CM_INBOX
No license keys are required

25. Alternate Solution: (use additional sheets if necessary)
None

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
PDSIS cannot acess Oracle Data Base

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☐PVC ☐VATC ☒EDC   ☒ GSFC ☒LaRC ☒NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): /s/ Pam Johnson 11/15/02	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

CM01JA00 Revised 8/2/02   ECS/EDF/SCDV/M&O

A.1   Prerequisites

The following products must already be installed:

- JRE 1.3.1 for SGI.

Estimated Installation Time: 30 minutes for a novice operator.

Estimated Disk Space: 1 MB

A.2   Uninstall Instructions

None

A.3   Installation Instructions

1. Unpack tar files

1.) Obtain the tarfiles distributed to your site by CM.

2.) Extract the jaf_1.0.1_c_irix64_pkg.tar.gz and javamail_1.2_c_irix64_pkg.tar.gz tarfile into a central, NFS accessible directory. This directory is denoted in the below instructions by <stagingdir>.

```
# cd <stagingdir> ¿
# gunzip –c jaf_1.0.1_c_irix64_pkg.tar.gz | tar xvpf - ¿
# gunzip –c javamail_1.2_c_irix64_pkg.tar.gz | tar xvpf - ¿
```

2. Install JAF

1) Install jaf-1.0.1
```
# cd <stagingdir>/install/jaf ¿
# ./install.sh ¿
```
JAF 1.0.1 is installed as /usr/ecs/OPS/COTS/jaf-1.0.1.
The package name is "ECSjafc"

2) Create a soft link to help custom code to find this baselined versions of JAF
```
# cd /usr/ecs/OPS/COTS ¿
# ln –s jaf-1.0.1 jaf ¿
```
The soft link /usr/ecs/OPS/COTS/jaf->jaf-1.0.1 is created

3. Install Javamail

1) Install javamail-1.2
```
# cd <stagingdir>/install/javamail ¿
# ./install.sh ¿
```

Javamail 1.2 is installed as /usr/ecs/OPS/COTS/javamail-1.2.
The package name is "ECSjmailc".

2) Create a soft link to help custom code to find this baselined versions of Javamail
```
# cd /usr/ecs/OPS/COTS ¿
# ln –s javamail-1.2  javamail ¿
```
The soft link /usr/ecs/OPS/COTS/javamail->javamail-1.2 is created.

4. Create a Soft Link to JRE
```
# cd /usr/ecs/OPS/COTS ¿
```

 # ln –s /usr/java jre ¿
The soft link /usr/ecs/OPS/COTS/jre->/usr/java is created.

A.4   Custom Code Integration for JAF and Javamail

The PDS custom code installation is closely integrated with the installation of the COTS products discussed in this document. The COTS products must be installed first, according to the instructions in section A.3 above. The PDS custom code should then be installed and configured according to the installation instructions that will accompany the custom code PSR documentation that is released to the DAACs.

A.5   Interrogation Checkout

For version and path installation verification, use the following commands:
1) For JAF:

    # /usr/bin/cksum /usr/ecs/OPS/COTS/jaf-1.0.1/activation.jar ¿

the checksum return string should be:
2A2845513 45386 /usr/ecs/OPS/COTS/jaf-1.0.1/activation.jar
This primarily verifies the installation path.

2) For Javamail:

    # /usr/bin/cksum /usr/ecs/OPS/COTS/javamail-1.2/mail.jar ¿

the checksum return string should be:
1507827337 280984 /usr/ecs/OPS/COTS/javamail-1.2/mail.jar
This primarily verifies the installation path.

A.6   Back_out Instructions

To remove JAF 1.0.1 or Javamai 1.2 from PDS run the appropriate 'uninstall.sh' script provided in the staging subdirectory.

1) For JAF 1.0.1
> **# cd *<stagingdir>*/install/jaf ¿**
> **# cd ./uninstall.sh ¿**
> The /usr/ecs/OPS/COTS/jaf-1.0.1 is removed

2) For Javamail 1.2
> **# cd *<stagingdir>*/install/javamail 1.2 ¿**
> **# cd ./uninstall.sh ¿**
> The /usr/ecs/OPS/COTS/javamail-1.2 is removed